



CORNERSTONE ARTS CENTRE

TECHNICAL SPECIFICATION 2022



Cornerstone is a professional arts, culture and entertainment venue in the heart of Didcot. Opened in 2008, we present a high-quality programme of live performance, participatory activities, exhibitions and outreach work that meets the needs and enhances the experiences of our local community and beyond. Cornerstone comprises a 217-seat auditorium, café bar, gallery, workshop spaces and dance studio, perfect for dance and arts activities, as well as meetings and other corporate events.

Please find enclosed our technical Information - should you have any questions, please do not hesitate to contact one of our team.

Cornerstone is brought to you by South Oxfordshire District Council.



Postcodes & What3Words

Main (public) entrance: **OX11 7NE** or **patching.spray.bench**

Stage door, loading bay and parking: **OX11 8RG** or **call.attaching.expressed**

A document containing more detailed directions can be supplied on request.

Parking & Loading

We have a small loading bay that can accommodate approx. 8 cars or an equivalent amount of larger vehicles such as LWB vans or rigid trucks.

Extremely large vehicles (such as articulated lorries) will be unable to park in our loading bay, and alternative arrangements will need to be made – please contact the Technical Co-ordinator if you believe this presents a problem for your production.

Access to the loading bay can be granted by calling the Cornerstone Duty Manager on **07801 203544** upon arrival. Parking for all non-essential crew or additional personnel is via nearby public car parks, which are around three minutes' walk from the venue. An up-to-date list of nearby parking options can be supplied on request.

Load-in is at ground level, and is via roller shutter doors (3560mm wide x 3900mm high) situated in the loading bay. The travel distance between the shutters and the rear of stage is no more than 5 metres, and there are no stairs along the route. We have wheels and dollies available to assist with moving larger/heavier items if needed.

Capacities

Audience capacity is **208** with bleacher seating, or **225** with extra row AA added (actual seating capacity is higher, however some seats are permanently reserved for ushers or technical use).

Standing capacity for an event on-stage (with seating retracted) is **287**. Please contact the Technical Co-ordinator if you wish to hold a standing performance at Cornerstone, as additional arrangements for stage security will need to be made.

Auditorium & Stage

The stage is a **proscenium arch format with black box masking**. Typically our performances are held in **end-on configuration**, however it is possible to create bespoke seating layouts (in the round, thrust, promenade, cabaret etc). If this is desired, the topic **must** be raised with the Technical Co-ordinator, ideally in advance of the event going on sale. In addition, the auditorium has a full air handling and heating system.

Dimensions

Front width with proscenium: 8.5m

Front width without proscenium: 11.8m (restricts available LX bars and eliminates wings)

Onstage wall-to-wall: 12.8m

Back wall to Setting Line: 6.6m

Grid height: Variable (all LX bars are motorised)

Grid height with bars fully flown: 7.4m

Masking

1x set of house tabs (operated from control room or side of stage)

1x set of full black drapes covering back wall

1x set of pulley-driven traverse tabs (rigged mid-stage)

8x black legs (rigged as needed)

1x black border (rigged downstage)

1x white cyc cloth

6x tormentor

Prompt Corner & Communications

We do not have a permanent prompt corner, but do have an LCD screen (with FOH camera feed) along with a stage management console that has ROH calling, cue light and comms master station. Please request this in advance if it is needed for your production.

We have the following comms equipment available:

8x Techpro single-channel comms packs w/headsets (WIRED)

12x Cue light

1x Portable SM desk including comms and cue light master station

Backstage Facilities

On the ground floor off to stage right we have two dressing rooms, as well as a large green room & kitchenette with sofas, tea/coffee making, microwave, fridge and television. Laundry and ironing facilities are available, and the green room has its own accessible toilet.

Dressing room one has mirrored seating for seven along with a small sofa bed and en-suite accessible toilet and shower facilities.

Dressing room two has mirrored seating for six along with en-suite accessible toilet and shower facilities.

Other spaces around Cornerstone can be made available as dressing rooms if required. If you believe your production will need this, please contact the Technical Co-ordinator in advance to discuss.

All rooms backstage are serviced by our show relay, which is switched on **manually** by the duty technician if it is required.

Flying, Rigging & Access

****WE DO NOT HAVE A FLY TOWER, NOR ANY IN-BUILT LIVE FLYING CAPABILITY ****

There are **11 motorised bars (1-11)** above stage, and **1 manual bar** which is **only** to be used for the house border. There are a further **5 motorised bars (12-16)** over the auditorium. Each bar has an **SWL of 250kg**; this is **not** to be exceeded under any circumstances, and all weight **must** be evenly distributed across the bar.

There are **no** fixed flying points for flown PA, truss or aerial suspension equipment. We **may** be able to offer flying points off structural girders with advance notice and risk assessments. If your production requires aerial rigging of any kind, please contact the Technical Co-ordinator to arrange a site visit at your earliest convenience.

Please also note that Cornerstone staff are **not** qualified to lead on rigging of this kind – you **must** have a designated competent rigger with you to oversee the installation of any aerial equipment. Cornerstone staff will be able to assist under direction, but **final responsibility for the safe implementation of any aerial elements lies with the production company.**

Bar Legend

Please refer to the table below for our usual masking & rigging schedule. Bars labelled in **RED** contain immovable objects that form part of our permanent rig. For further information, including rough measurements between bars, please refer to the “Rig Plan” document that should have been sent to you as part of this pack.

Bar Number	Usual Use
1	Full black masking / White cyc cloth
2	LED BAR 3
3	LX4 (12 circuits)
4	Projection Screen
5	Traverse tabs (pulley operated)
6	LED BAR 2
7	LX3 (12 circuits)
8	LED BAR 1
9	LX2 (12 circuits)
10	Border
11	LX 1 (12 circuits)
DRILL	HOUSE BORDER & SPEAKERS ONLY (winch operated)
12	FOH LED
13	FOH 1 (11 circuits)
14	FOH 2 (12 circuits)
15	-
16	Projector

Access Equipment

- 1x JLG P20DC Personnel Lift (8m)
- 1x Zarges 10-rung Skymaster (6.9m)
- 2x Zarges 10-rung Class 1 (2.6m)
- 1x Zarges 3-rung Z600 (0.6m)

Lighting

Cornerstone's lighting grid and fixtures are all **16A single-phase 3-pin CEEFORM connectors**. There are **limited 16A-15A and 16A-13A** converters available in-house; it is advisable to carry your own converters if your production tours with a large amount of it's own LX.

Our current set-up is **2x LX bars FOH & 4x LX bars over stage**, as well as **1x LED bar FOH & 3x LED bars over stage** (please see the table above). Each LX bar hosts **2x 6-way IWB's** for a nominal total of **12 available circuits per bar**. We do not typically maintain a fixed rig outside of our intelligent fixtures.

Most of our dimmers are **3kw**, however we do have **limited 5kw circuits** available at ground level for larger fixtures.

Cornerstone has **2x DMX universes** available for use. A small number of addresses on Universe 1 are hard-wired to our working and emergency lights, and therefore **cannot** be used for LX control; please contact the Technical Co-ordinator for any queries relating to this.

Our stock of gel and other accessories (irises, gobos, etc) is limited, please contact us for more information or to discuss substitutes.

Control

1x ETC Ion XE 20
1x ETC EOS 20 fader wing

Conventional Fixtures

PARcans

20x DTS Par64 (CP62 lamps as default, please contact us for other available options)
20x ETC Source 4 Par 750w (575w or 750w lamps available)

Profiles

20x ETC Source 4 Zoom 15/30 (575w or 750w lamps available)
8x ETC Source 4 Zoom 25/50 (575w or 750w lamps available)
2x ETC Source 4 10 degree (575w or 750w lamps available)
12x ETC Source 4 19 degree (575w or 750w lamps available)
8x ETC Source 4 26 degree (575w or 750w lamps available)
2x ETC Source 4 36 degree (575w or 750w lamps available)

Fresnel/Pebble Convex

4x ADB F201 2kw Fresnel
6x ADB F101 1kw Fresnel
6x Spotlight Combi 1kw Fresnel
6x ADB F51 650w Fresnel
2x ADB C51 650w PC

Intelligent Fixtures

5x ETC Vivid-R LED Flood
12x Martin Rush MH6 Wash
2x Martin Rush MH5 Profile
6x Pulse LEDBAR 320
1x Look Solutions Unique 2.1 hazer

Sound

The FOH PA consists of **2x EM Acoustics i-12 subwoofers** and **2x Logic Systems LM15** tops ground-stacked either side of the proscenium, as well as **2x EM Acoustics EMS-121** tops flown inside the arch.

The system is driven by **3x QSC PL236 amplifiers**, and is governed by a **DBX Venu360** (limited to 100dB). This limit will not be removed or bypassed under any circumstances.

Please contact us if you need control over anything other than L/R inputs.

Control

- 1x Allen & Heath GLD 80 (iPad control available)
- 1x Allen & Heath AR2412 stage box
- 1x Allen & Heath AR84 expander
- 1x Allen & Heath QU-SB 18/14 mixer
- 1x DBX Venu 360

FOH PA

- 2x EM Acoustics EMS-121
- 2x EM Acoustics i-12
- 2x Logic Systems LM15 (600w)
- 3x QSC PL236 amplifier

Monitors

- 4x Logic Systems LM12 (400w)
- 2x JBL JRX 112M (400w)
- 2x Crown XTI4002 amplifier
- 2x QSC PL236 amplifier
- 1x QSC PL218 amplifier
- 1x QSC PLX 3602 amplifier

Additional Speakers (not part of permanent rig)

- 4x EM Acoustics i2 fills
- 2x Em Acoustics i8 subwoofer

Microphones & DI's

- 4x Shure SM58
- 4x Shure Beta 58A
- 4x Shure SM57
- 4x Shure Beta 57a
- 1x AKG D112
- 2x AKG C430
- 3x AKG D40
- 2x AKG C1000S

- 4x Klark-Teknik DN-100 Mono DI Box
- 2x Klark-Teknik DN-200 Stereo DI Box
- 6x EMO E520 DI Box

Stands

1x Upright round base mic stand
10x Tall boom mic stand
2x short tripod mic stand
2x short boom mic stand
2x Speaker stands
1x Sheet music stand

Audio-Visual

All AV is patched through the house **HDBaseT** system, **using either VGA or HDMI to Cat5** converters. If you are touring with an Apple computer, please ensure that you have any relevant adapters with you, as our stock is limited and may not be up-to-date with the latest models.

In the auditorium, there is a **Hitachi CP-WU8451 projector** (5000 lumen) flown on Bar 16, and a motorised screen flown on Bar 4. The projector has no shutter facility, however there is an in-built AV mute function on the remote.

We also have a small selection of portable projectors and laptops available for hire – these are subject to an additional fee, and further information on these can be found in Cornerstone's Hire Pack.

Touring Power

Cornerstone has 1x 63a 3-phase supply OR 2x 32a 3-phase supplies available for use by touring companies. These supplies are located in the scene dock, and we have **NO** distro or 3-phase cable available in-house.

These supplies are independent of the other LX and sound circuits used for the auditorium.

Additional Stage Equipment

Cornerstone has the following additional stage equipment available:

Risers

2x 8ft * 4ft Litedeck
10x 2m * 1m Litedeck
6x 2m Litedeck handrail
2x 1m Litedeck handrail
1x 3-step Litedeck treads (w/ handrails)
40x 1ft aluminium leg
48x 2ft aluminium leg

Lighting Stands

4x tank traps
6x scaff lengths (various heights)
2x Doughty G2036 Cine Hi-Combo
2x Doughty G2040 Lowboy Combo
4x Doughty T43100 4-lantern T-Bar
8x floor stands (hook clamp compatible)

Accessibility

Cornerstone has a Sennheiser infrared hearing loop installed, and 10x headsets are available from Box Office.

Step-free access to both the main entrance of the building and stage door is available. There is lift access to all floors backstage, and the stage itself is also wheelchair accessible.

Technical Team

We appreciate you taking the time to read our technical specification. If you have questions or queries about anything contained in this document, please direct them to either of the individuals below. Please note; the technical department does not typically work Mondays.

Name	Position	Telephone	Email
Dominic Bray	Technical Co-ordinator	01235 515145	dominic.bray@southandvale.gov.uk
Mark Ashford	Technical Assistant	N/A	mark.ashford@southandvale.gov.uk